

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yukio HEMMI, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: METHOD FOR CONTROLLING WATER QUALITY IN NUCLEAR REACTOR AND NUCLEAR POWER PLANT TO WHICH THE METHOD IS APPLIED

INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

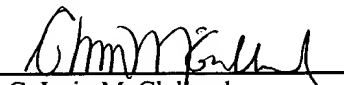
- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.



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AND NUCLEAR POWER PLANT TO WHICH THE METHOD IS APPLIED

**STATEMENT OF RELEVANCY**

**Reference AO on Form PTO-1449:**

This information discloses a method for controlling water quality in a nuclear power plant in which a concentration of iron in supply water is controlled to up to 0.1 ppb.

However, the method for controlling water quality of the present invention is different from that of the invention disclosed in the above information in a point that the concentration of iron in the supply water is reduced to almost zero, an amount of nickel generated from a supply water heater and fuel assembly is decrease, thereby to satisfy a condition of "iron/nickel (Fe/Ni) $\geq$ 2". Due to the difference in the above point, it becomes possible to decrease a radioactivity of cobalt in reactor water to be almost zero.

Form PTO 1449  
(Modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

214586US3

SERIAL NO.
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NEW APPLICATIONON

### LIST OF REFERENCES CITED BY APPLICANT

**APPLICANT**

Yukio HEMMI, et al.

FILING DATE

HEREWITH

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	2808970	7/31/98	Japan		X
	AP					
	AO					
	AR					
	AS					
	AT					
	AU					
	AV					

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)**

	AW	
	AX	
	AY	
	AZ	

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.